

# Mercedes E Paoletti

## List of Publications by Year in descending order

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62  
papers

3,537  
citations

218677

26  
h-index

175258

52  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2548  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning classifiers for hyperspectral imaging: A review. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 158, 279-317.	11.1	580
2	A new deep convolutional neural network for fast hyperspectral image classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 120-147.	11.1	418
3	Deep Pyramidal Residual Networks for Spectral-Spatial Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 740-754.	6.3	347
4	Capsule Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2145-2160.	6.3	261
5	Active Learning With Convolutional Neural Networks for Hyperspectral Image Classification Using a New Bayesian Approach. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6440-6461.	6.3	210
6	Visual Attention-Driven Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8065-8080.	6.3	185
7	Feature Extraction With Multiscale Covariance Maps for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 755-769.	6.3	182
8	A New Deep Generative Network for Unsupervised Remote Sensing Single-Image Super-Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6792-6810.	6.3	129
9	A Single Model CNN for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2516-2529.	6.3	87
10	Cloud implementation of the K-means algorithm for hyperspectral image analysis. Journal of Supercomputing, 2017, 73, 514-529.	3.6	86
11	Hyperspectral Image Classification Using Random Occlusion Data Augmentation. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1751-1755.	3.1	86
12	Deep&Dense Convolutional Neural Network for Hyperspectral Image Classification. Remote Sensing, 2018, 10, 1454.	4.0	85
13	Ghostnet for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10378-10393.	6.3	73
14	Remote Sensing Image Superresolution Using Deep Residual Channel Attention. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9277-9289.	6.3	67
15	Remote Sensing Image Fusion Using Hierarchical Multimodal Probabilistic Latent Semantic Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4982-4993.	4.9	54
16	Remote Sensing Single-Image Superresolution Based on a Deep Compendium Model. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1432-1436.	3.1	45
17	Scalable recurrent neural network for hyperspectral image classification. Journal of Supercomputing, 2020, 76, 8866-8882.	3.6	44
18	Generative Adversarial Minority Oversampling for Spectral-Spatial Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	44

#	ARTICLE	IF	CITATIONS
19	Morphological Convolutional Neural Networks for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8689-8702.	4.9	41
20	Fast dimensionality reduction and classification of hyperspectral images with extreme learning machines. Journal of Real-Time Image Processing, 2018, 15, 439-462.	3.5	35
21	Inference in Supervised Spectral Classifiers for On-Board Hyperspectral Imaging: An Overview. Remote Sensing, 2020, 12, 534.	4.0	33
22	A New GPU Implementation of Support Vector Machines for Fast Hyperspectral Image Classification. Remote Sensing, 2020, 12, 1257.	4.0	32
23	Low-Power Consumption Architectures for Deep-Learning Models Applied to Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 776-780.	3.1	31
24	Multimodal Probabilistic Latent Semantic Analysis for Sentinel-1 and Sentinel-2 Image Fusion. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1347-1351.	3.1	30
25	FLOP-Reduction Through Memory Allocations Within CNN for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5938-5952.	6.3	29
26	Multibranch Selective Kernel Networks for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1089-1093.	3.1	28
27	Multiple Attention-Guided Capsule Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20.	6.3	27
28	Rotation Equivariant Convolutional Neural Networks for Hyperspectral Image Classification. IEEE Access, 2020, 8, 179575-179591.	4.2	24
29	Cloud Deep Networks for Hyperspectral Image Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9832-9848.	6.3	23
30	Hyperspectral Anomaly Detection With Relaxed Collaborative Representation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	19
31	Distributed Deep Learning for Remote Sensing Data Interpretation. Proceedings of the IEEE, 2021, 109, 1320-1349.	21.3	16
32	U-IMG2DSM: Unpaired Simulation of Digital Surface Models With Generative Adversarial Networks. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1288-1292.	3.1	15
33	Neural Ordinary Differential Equations for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1718-1734.	6.3	14
34	Estudio Comparativo de Técnicas de Clasificación de Imágenes Hiperespectrales. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 129.	1.0	14
35	Cloud Implementation of Multinomial Logistic Regression for UAV Hyperspectral Images. IEEE Journal on Miniaturization for Air and Space Systems, 2020, 1, 163-171.	2.7	13
36	Endmember Estimation with Maximum Distance Analysis. Remote Sensing, 2021, 13, 713.	4.0	13

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37	GPU Parallel Implementation of Dual-Depth Sparse Probabilistic Latent Semantic Analysis for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3156-3167.	4.9	11
38	Neighboring Region Dropout for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1032-1036.	3.1	11
39	Training deep neural networks: a static load balancing approach. Journal of Supercomputing, 2020, 76, 9739-9754.	3.6	10
40	Efficient Semantic Segmentation of Hyperspectral Images Using Adaptable Rectangular Convolution. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9
41	Separable Attention Network in Single- and Mixed-Precision Floating Point for Land-Cover Classification of Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
42	Heterogeneous model parallelism for deep neural networks. Neurocomputing, 2021, 441, 1-12.	5.9	7
43	GPU-Friendly Neural Networks for Remote Sensing Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
44	Deep mixed precision for hyperspectral image classification. Journal of Supercomputing, 2021, 77, 9190-9201.	3.6	6
45	Fast Orthogonal Projection for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	6
46	An Investigation on Self-Normalized Deep Neural Networks for Hyperspectral Image Classification. , 2018, , .		5
47	A New Max-Min Convolutional Network for Hyperspectral Image Classification. , 2021, , .		5
48	Adaptable Convolutional Network for Hyperspectral Image Classification. Remote Sensing, 2021, 13, 3637.	4.0	5
49	SiCoDeF <sup>2</sup> Net: Siamese Convolution Deconvolution Feature Fusion Network for One-Shot Classification. IEEE Access, 2021, 9, 118419-118434.	4.2	5
50	Endmember Estimation From Hyperspectral Images Using Geometric Distances. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
51	Multicore implementation of the multi-scale adaptive deep pyramid matching model for remotely sensed image classification. , 2017, , .		3
52	Onboard payload-data dimensionality reduction. , 2017, , .		2
53	Efficient Convolutional Neural Network for Spectral-Spatial Hyperspectral Denoising. , 2019, , .		2
54	Analysis of Remotely Sensed Images Through Social Media. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3026-3039.	4.9	2

#	ARTICLE	IF	CITATIONS
55	Training Capsnets via Active Learning for Hyperspectral Image Classification. , 2020, , .		2
56	Remote Sensing Image Classification Using CNNs With Balanced Gradient for Distributed Heterogeneous Computing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
57	Evaluation of Different Regularization Methods for the Extreme Learning Machine Applied to Hyperspectral Images. , 2018, , .		1
58	Solving Deep Neural Networks with Ordinary Differential Equations for Remotely Sensed Hyperspectral Image Classification. , 2019, , .		1
59	Accessibility-Free Active Learning for Hyperspectral Image Classification. , 2019, , .		1
60	Heterogeneous gradient computing optimization for scalable deep neural networks. Journal of Supercomputing, 2022, 78, 13455-13469.	3.6	1
61	Inter-Sensor Regression Analysis for Operational Sentinel-2 and Sentinel-3 Data Products. , 2018, , .		0
62	Open Multi-Processing Acceleration for Unsupervised Land Cover Categorization Using Probabilistic Latent Semantic Analysis. , 2019, , .		0